

JUL 16 2003

K 031880

## 510(k) Summary - Ammonia/Ethanol/CO2 Calibrator and Controls

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**Introduction** According to the requirements of 21 CFR 807.92, the following information provides sufficient detail to understand the basis for a determination of substantial equivalence

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**Submitter name, address, contact** Roche Diagnostics Corporation  
9115 Hague Rd  
Indianapolis IN 46250  
(317) 521-3831

Contact person: Sherri L. Coenen

Date prepared: June 13, 2003

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**Device Name** Proprietary name:

- Roche Diagnostics Ammonia/Ethanol/CO2 Calibrator
- Roche Diagnostics Ammonia/Ethanol/CO2 Control Normal
- Roche Diagnostics Ammonia/Ethanol/CO2 Control Abnormal

Common name: Ammonia/Ethanol/CO2 Calibrator and Controls

Classification name:

- Calibrator, Multi-analyte mixture
- Multi-analyte controls, all kinds (assayed and unassayed)

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**Device description** The Ammonia/Ethanol/CO2 Calibrator is a liquid ready-for-use calibrator based on a buffered aqueous solution. The concentration of the calibrator components have been adjusted to ensure optimal calibration of the appropriate Roche methods on clinical chemistry analyzers.

The Ammonia/Ethanol/CO2 Controls are liquid ready-for-use controls based on a buffered aqueous solution. The adjusted concentrations of the control components are in the normal range for the Normal control and the pathological range for the Abnormal control.

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## 510(k) Summary - Ammonia/Ethanol/CO2 Calibrator and Controls, continued

**Intended use** Ammonia/Ethanol/CO2 Calibrator is for use in the calibration of quantitative Roche methods on Roche clinical chemistry analyzers as specified in the enclosed value sheet.

Ammonia/Ethanol/CO2 Control is for use in quality control by monitoring accuracy and precision for the quantitative methods as specified in the enclosed value sheet.

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**Predicate Device** We claim substantial equivalence to the currently marketed Ammonia/Ethanol/CO2 Calibrator (K952282) and Ammonia/Ethanol/CO2 Controls (K951595).

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DEPARTMENT OF HEALTH & HUMAN SERVICES

Food and Drug Administration  
2098 Gaither Road  
Rockville MD 20850

JUL 16 2003

Ms. Sherri L. Coenen MT(ASCP)  
Regulatory Affairs Consultant  
Regulatory Submissions, Centralized Diagnostics  
Roche Diagnostics Corporation  
9115 Hague Road  
P.O. Box 50457  
Indianapolis, IN 46250-0457

Re: k031880  
Trade/Device Name: Ammonia/Ethanol/CO2 Calibrator and Controls  
Regulation Number: 21 CFR 862.1150  
Regulation Name: Calibrator  
Regulatory Class: Class II  
Product Code: JIX; JJY  
Dated: June 13, 2003  
Received: June 18, 2003

Dear Ms. Coenen:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in Title 21, Code of Federal Regulations (CFR), Parts 800 to 895. In addition, FDA may publish further announcements concerning your device in the Federal Register.

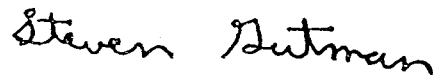
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Parts 801 and 809); and good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820).

Page 2 –

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific information about the application of labeling requirements to your device, or questions on the promotion and advertising of your device, please contact the Office of In Vitro Diagnostic Device Evaluation and Safety at (301) 594-3084. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>.

Sincerely yours,

A handwritten signature in black ink that reads "Steven Gutman". The signature is written in a cursive, slightly slanted style.

Steven I. Gutman, M.D., M.B.A.  
Director  
Office of *In Vitro* Diagnostic Device  
Evaluation and Safety  
Center for Devices and  
Radiological Health

Enclosure

## Indications for Use Statement

510(k) Number (if known): N/A K031880

Device Name: Ammonia/Ethanol/CO2 Calibrator and Controls

### Indications For Use:

Ammonia/Ethanol/CO2 Calibrator is for use in the calibration of quantitative Roche methods on Roche clinical chemistry analyzers as specified in the enclosed value sheet.

Ammonia/Ethanol/CO2 Control is for use in quality control by monitoring accuracy and precision for the quantitative methods as specified in the enclosed value sheet.

(PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE IF  
NEEDED)

Prescription Use ✓ Concurrency of CDRH, Office of Device Evaluation (ODE)  
(Per 21 CFR 801.109) OR Over-The-Counter Use \_\_\_\_\_

(Optional Format 1-2-96)

Jean Coogler  
Division Sign-Off

Office of In Vitro Diagnostic Device  
Evaluation and Safety

510(k) K031880